

AQA Computer Science A-Level 4.6.5 Boolean algebra

Flashcards

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Simplify the following Boolean expression:

 $B \cdot A + B$









Simplify the following Boolean expression: B • A + B









What Boolean operation is represented with an overline?











What Boolean operation is represented with an overline?

NOT











Which has the highest order of precedence: AND, OR or NOT?











Which has the highest order of precedence: AND, OR or NOT?

NOT











Complete the Boolean identity:

$$C \cdot C =$$













Complete the Boolean identity: C • C =











Which Boolean operation is represented with a dot?











Which Boolean operation is represented with a dot?

AND











Simplify the following Boolean expression:

$$(C + (B + B)) \cdot D$$











Simplify the following Boolean expression:

$$(C + (B + \overline{B})) \cdot D$$









Complete the Boolean identity:









Complete the Boolean identity: B • 1 =











Apply one of De Morgan's Laws to the following Boolean expression:











Apply one of De Morgan's Laws to the following Boolean expression: A • B







Which Boolean operation is represented with a plus?











Which Boolean operation is represented with a plus?











Apply one of De Morgan's Laws to the following Boolean expression:









Apply one of De Morgan's Laws to the following Boolean expression: A • C

$$A + C$$









Apply a distributive rule to the following Boolean expression:

$$B \cdot (A + C)$$











Apply a distributive rule to the following Boolean expression: B • (A + C)



